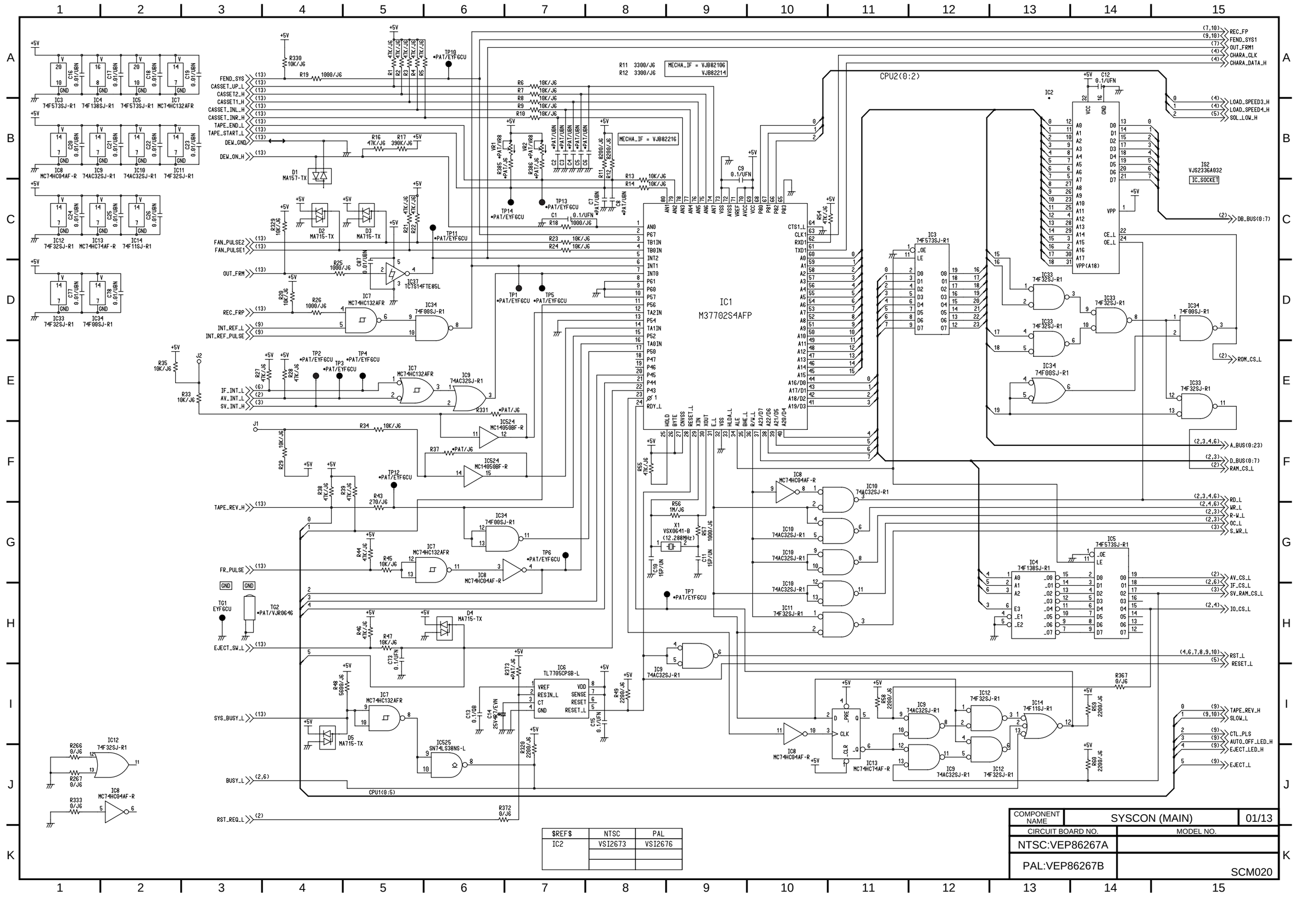
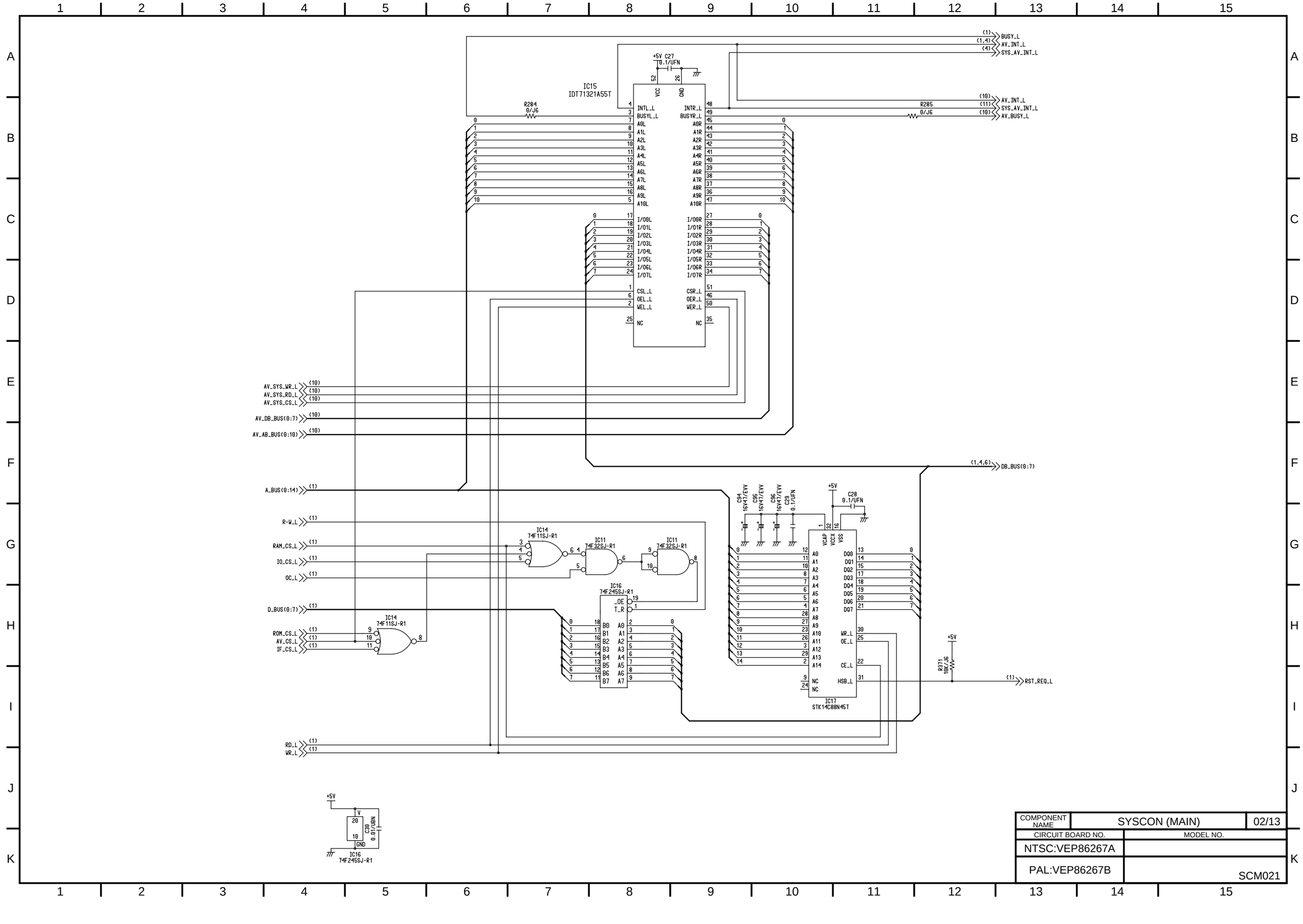
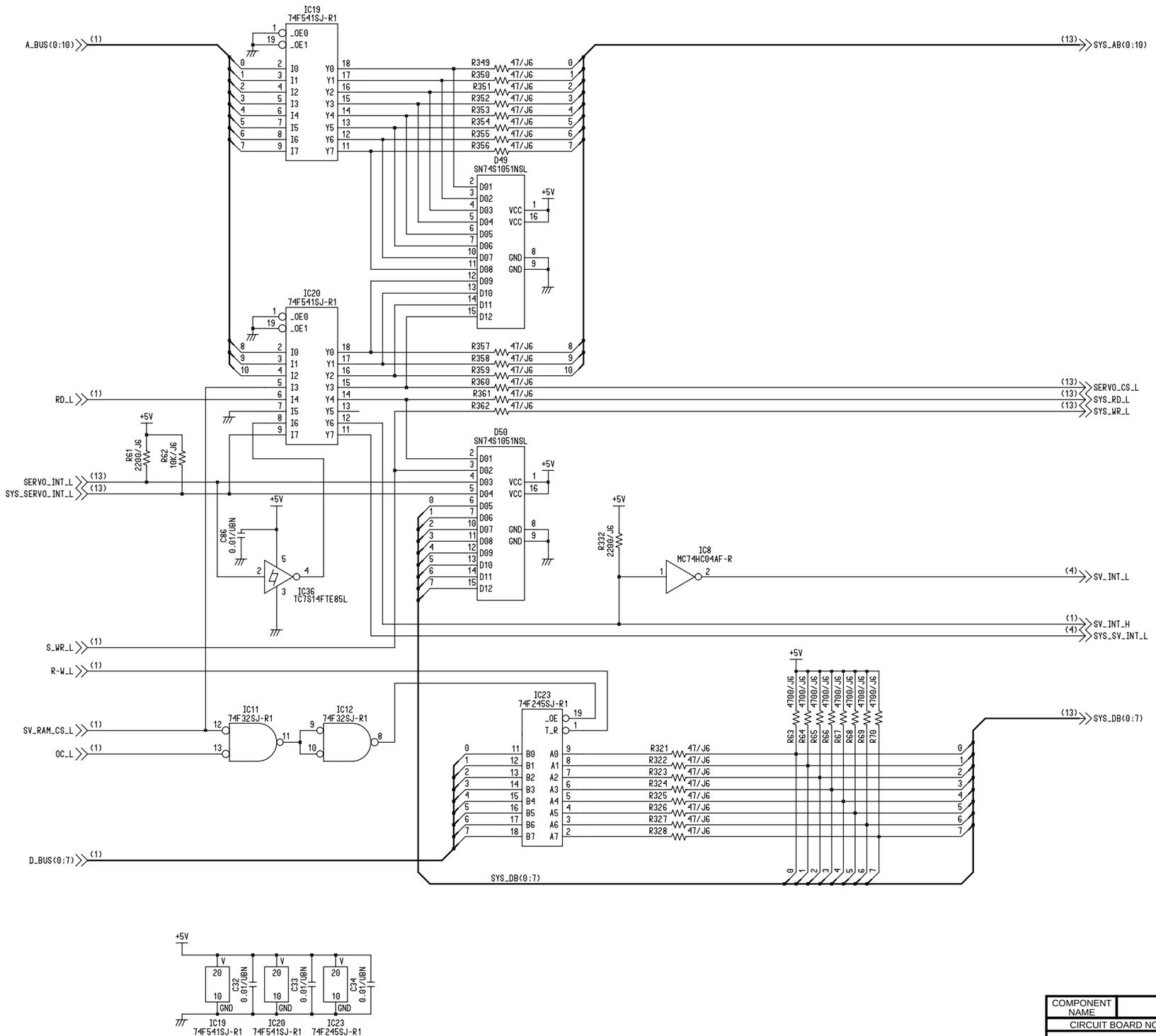


REF	NTSC	PAL
IC2	VSI2673	VSI2676

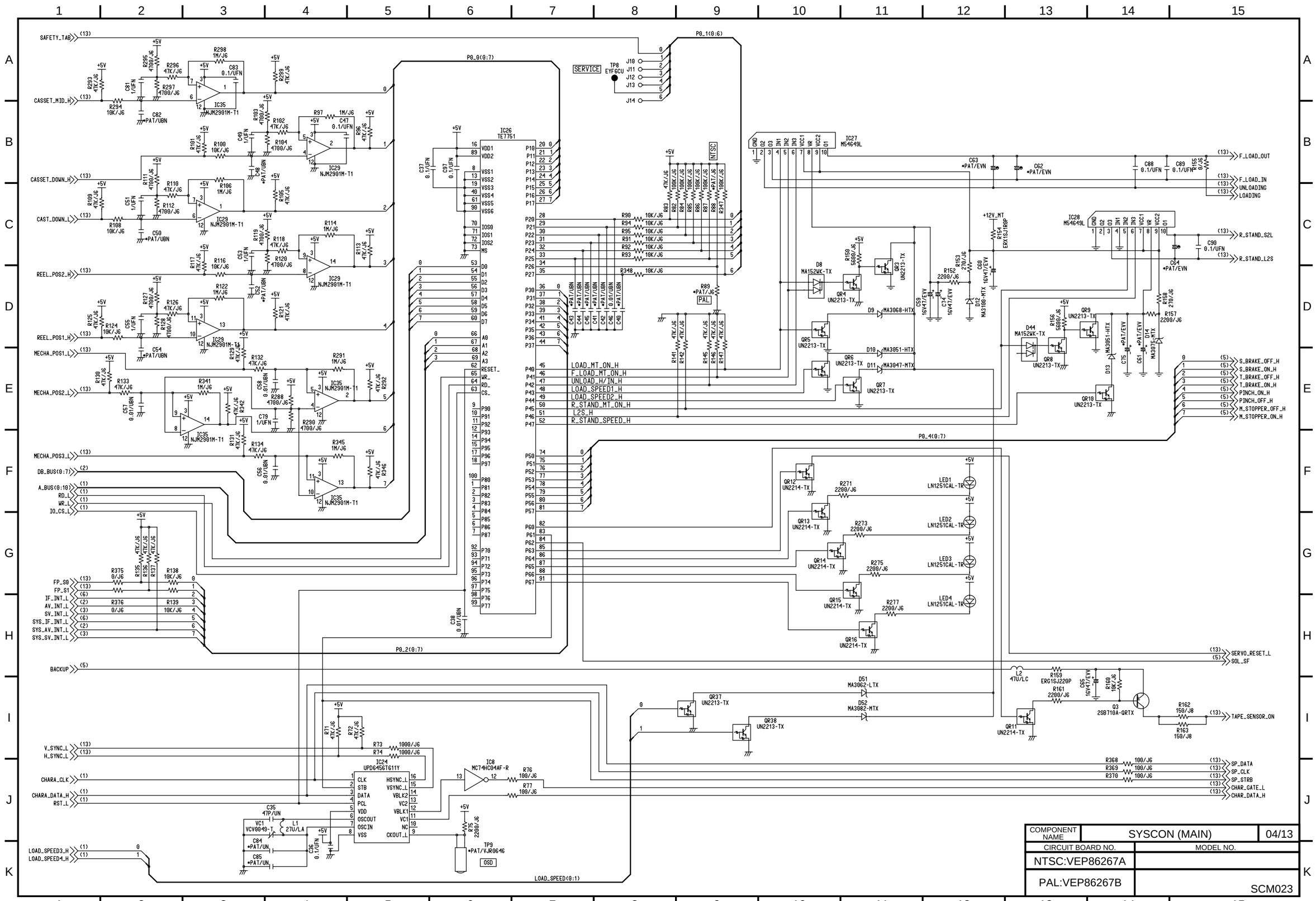
COMPONENT NAME	SYSCON (MAIN)	01/13
CIRCUIT BOARD NO.		MODEL NO.
NTSC:VEP86267A		
PAL:VEP86267B		SCM020



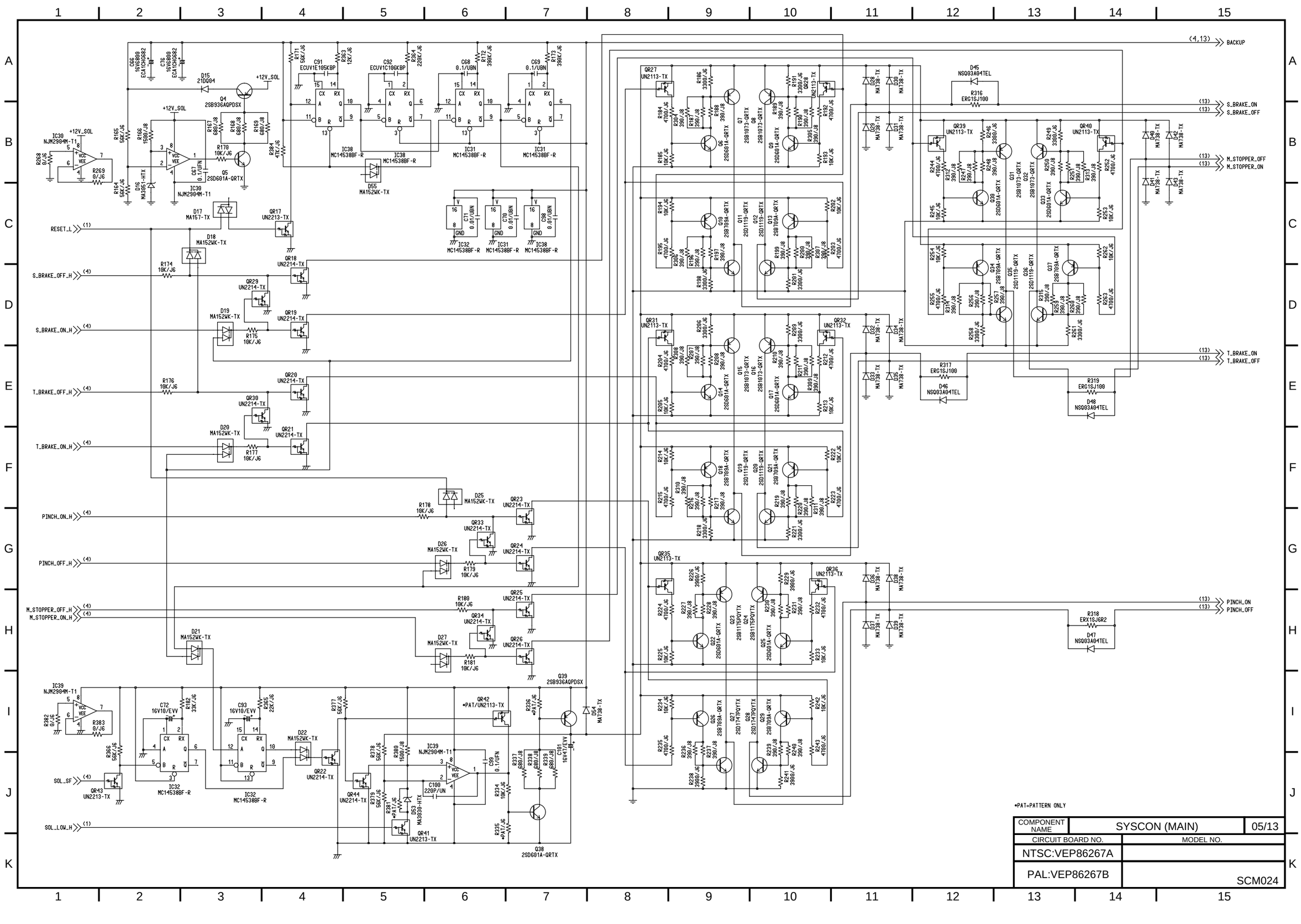
COMPONENT NAME	SYSCON (MAIN)	02/13
CIRCUIT BOARD NO.	MODEL NO.	
NTSC:VEP86267A		
PAL:VEP86267B		SCM021

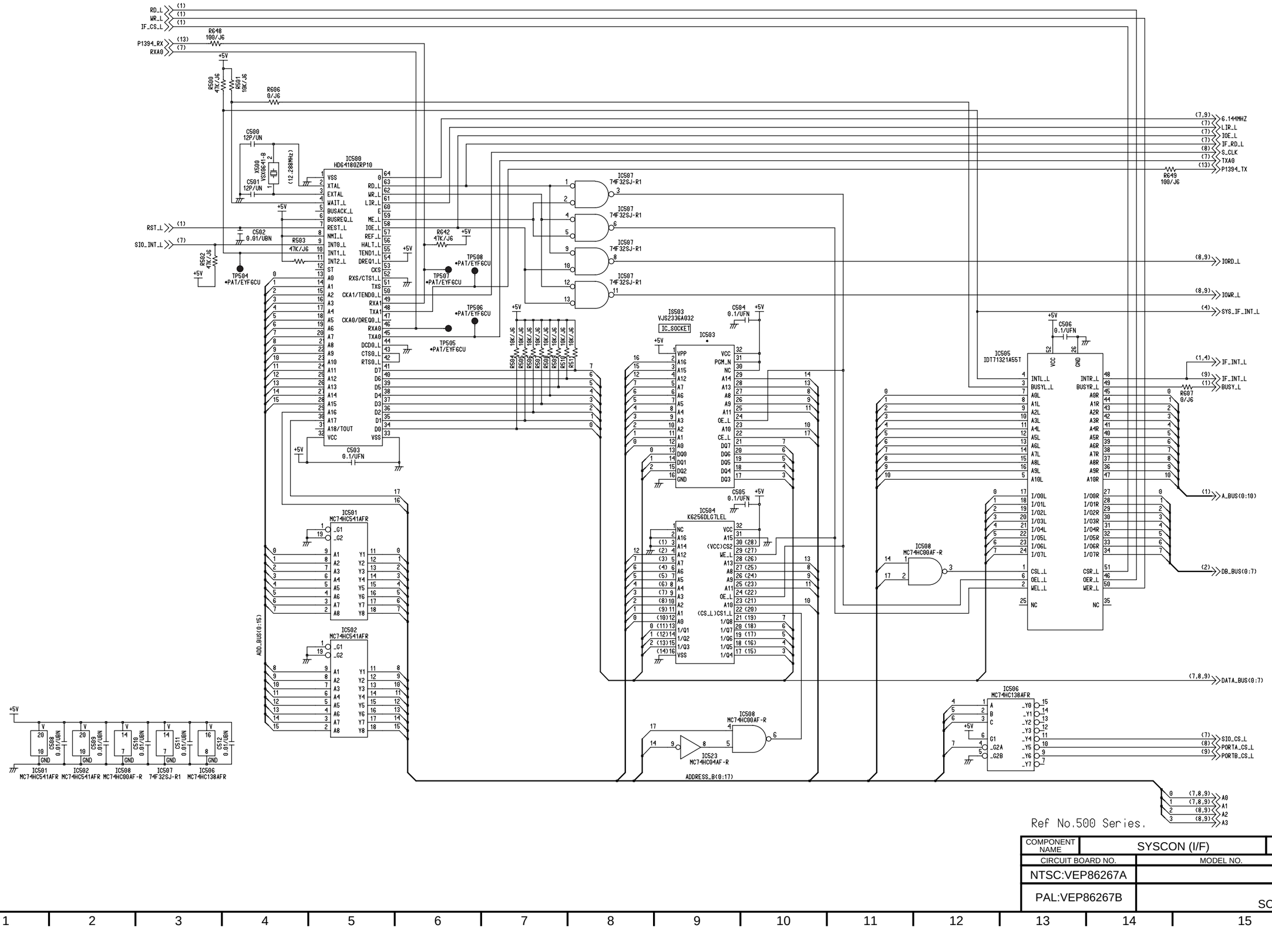


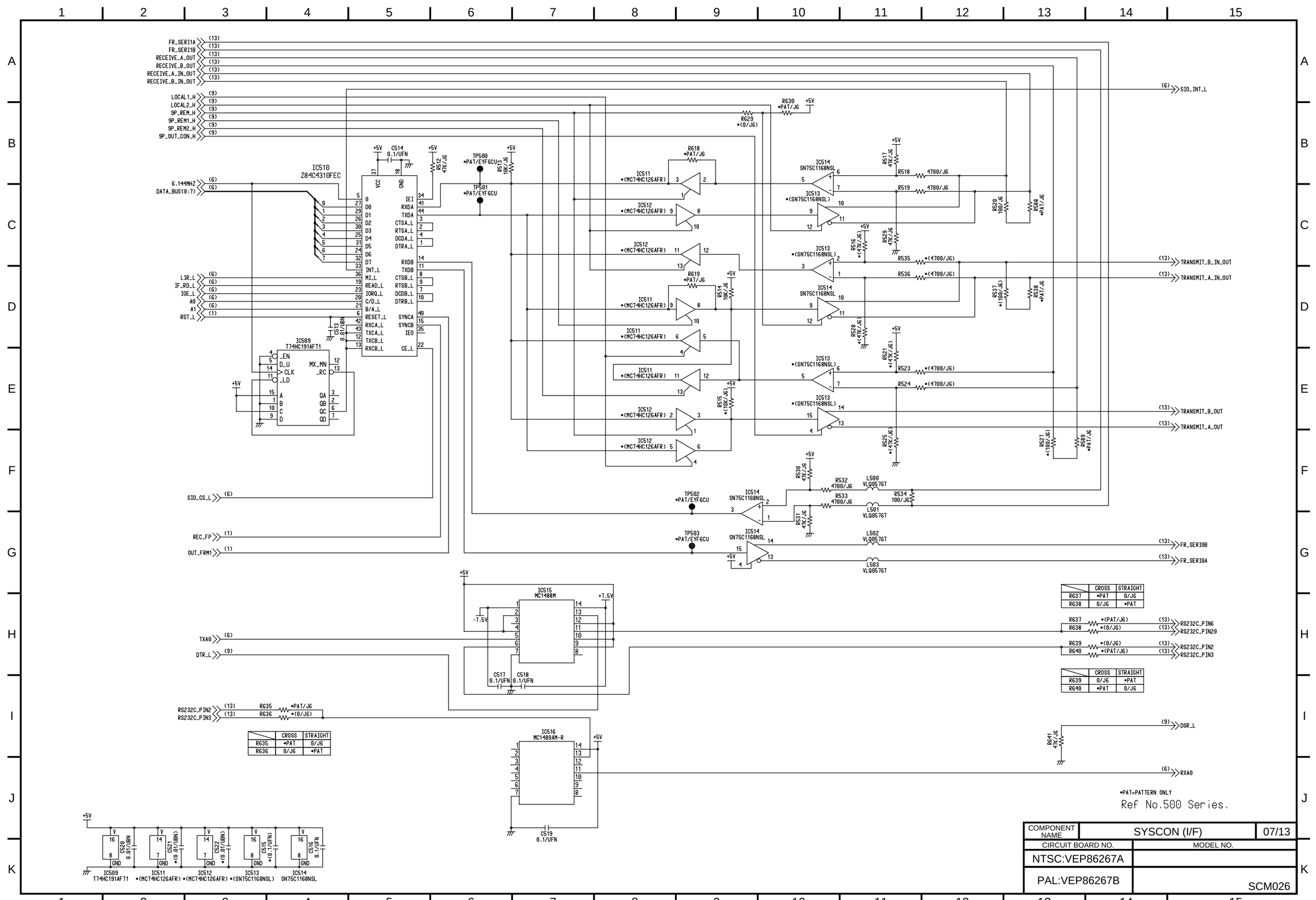
COMPONENT NAME	SYSCON (MAIN)	03/13
CIRCUIT BOARD NO.	MODEL NO.	
NTSC:VEP86267A		
PAL:VEP86267B		SCM022



COMPONENT NAME	SYSCON (MAIN)	04/13
CIRCUIT BOARD NO.	MODEL NO.	
NTSC:VEP86267A		
PAL:VEP86267B		SCM023


(4,13) BACKUP
(13) S_BRAKE_ON
(13) S_BRAKE_OFF
(13) M_STOPPER_OFF
(13) M_STOPPER_ON
(13) T_BRAKE_ON
(13) T_BRAKE_OFF
(13) PINCH_ON
(13) PINCH_OFF
RESET_L (1)
S_BRAKE_OFF_H (4)
S_BRAKE_ON_H (4)
T_BRAKE_OFF_H (4)
T_BRAKE_ON_H (4)
PINCH_ON_H (4)
PINCH_OFF_H (4)
M_STOPPER_OFF_H (4)
M_STOPPER_ON_H (4)
SOL_SF (4)
SOL_LOW_H (1)
+12V_SOL
IC39 NJM2904M-T1
IC30 NJM2904M-T1
IC38 MC14538BF-R
IC31 MC14538BF-R
IC32 MC14538BF-R
D15 2100B4
Q4 2SB936AQPDSX
Q5 2SD601A-QRTX
Q39 2SB936AQPDSX
Q38 2SD601A-QRTX
D15 MA365-HTX
D55 MA152WK-TX
D17 MA157-TX
D18 MA152WK-TX
D19 MA152WK-TX
D20 MA152WK-TX
D21 MA152WK-TX
D22 MA152WK-TX
D25 MA152WK-TX
D26 MA152WK-TX
D27 MA152WK-TX
D45 NSQ03A04TEL
D46 NSQ03A04TEL
D47 NSQ03A04TEL
D48 NSQ03A04TEL
D54 MA738-TX
QR17 UN2213-TX
QR18 UN2214-TX
QR19 UN2214-TX
QR20 UN2214-TX
QR21 UN2214-TX
QR22 UN2214-TX
QR23 UN2214-TX
QR24 UN2214-TX
QR25 UN2214-TX
QR26 UN2214-TX
QR27 UN2113-TX
QR28 UN2113-TX
QR31 UN2113-TX
QR32 UN2113-TX
QR33 UN2214-TX
QR34 UN2214-TX
QR35 UN2113-TX
QR36 UN2113-TX
QR39 UN2113-TX
QR40 UN2113-TX
QR41 UN2213-TX
QR42 *PAT/UN2113-TX
QR43 UN2213-TX
QR44 UN2214-TX
*PAT=PATTERN ONLY
COMPONENT NAME
SYSCON (MAIN)
05/13
CIRCUIT BOARD NO.
MODEL NO.
NTSC:VEP86267A
PAL:VEP86267B
SCM024


RD_L
WR_L
IF_CS_L
P1394_RX
RXA0
R648 100/J6
R500 47K/J6
R501 10K/J6
R696 0/J6
C500 12P/UN
C501 12P/UN
X500 VSX064I-B (12.288MHz)
IC500 HD64180ZRP10
VSS
XTAL
EXTAL
WAIT_L
BUSACK_L
BUSREQ_L
REST_L
NMI_L
INT0_L
INT1_L
INT2_L
ST
A0
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
A11
A12
A13
A14
A15
A16
A17
A18/TOUT
VCC
RD_L
WR_L
LIR_L
E
ME_L
IOE_L
REF_L
HALT_L
TEND1_L
DREQ1_L
CKS
RXS/CTS1_L
TXS
CKA1/TEND0_L
RXA1
TXA1
CKA0/DREQ0_L
RXA0
TXA0
DCD0_L
CTS0_L
RTS0_L
D7
D6
D5
D4
D3
D2
D1
D0
VSS
RST_L
SIO_INT_L
C502 0.01/UBN
R503 47K/J6
R502 47K/J6
R642 47K/J6
TP504 *PAT/EYF6CU
TP507 *PAT/EYF6CU
TP508 *PAT/EYF6CU
TP506 *PAT/EYF6CU
TP505 *PAT/EYF6CU
C503 0.1/UFN
R504 10K/J6
R505 10K/J6
R506 10K/J6
R507 10K/J6
R508 10K/J6
R509 10K/J6
R510 10K/J6
R511 10K/J6
IC507 74F32SJ-R1
IC507 74F32SJ-R1
IC507 74F32SJ-R1
IC507 74F32SJ-R1
IS03 VJS2336A032
IC_SOCKET
IC503
C504 0.1/UFN
VPP
A16
A15
A12
A7
A6
A5
A4
A3
A2
A1
A0
DQ0
DQ1
DQ2
GND
VCC
PGM_N
NC
A14
A13
A8
A9
A11
OE_L
A10
CE_L
DQ7
DQ6
DQ5
DQ4
DQ3
C505 0.1/UFN
IC504 K6256DLG7LEL
NC
A16
A14
A12
A7
A6
A5
A4
A3
A2
A1
A0
1/Q1
1/Q2
1/Q3
VSS
VCC
A15
(VCC)CS2
WE_L
A13
A8
A9
A11
OE_L
A10
(CS_L)CS1_L
1/Q8
1/Q7
1/Q6
1/Q5
1/Q4
IC508 MC74HC00AF-R
IC523 MC74HC04AF-R
ADDRESS_B(0:17)
IC501 MC74HC541AFR
IC502 MC74HC541AFR
ADD_BUS(0:15)
_G1
_G2
Y1
Y2
Y3
Y4
Y5
Y6
Y7
Y8
C506 0.1/UFN
IC505 IDT71321A55T
INTL_L
BUSYL_L
A0L
A1L
A2L
A3L
A4L
A5L
A6L
A7L
A8L
A9L
A10L
I/O0L
I/O1L
I/O2L
I/O3L
I/O4L
I/O5L
I/O6L
I/O7L
CSL_L
OEL_L
WEL_L
NC
INTR_L
BUSYR_L
A0R
A1R
A2R
A3R
A4R
A5R
A6R
A7R
A8R
A9R
A10R
I/O0R
I/O1R
I/O2R
I/O3R
I/O4R
I/O5R
I/O6R
I/O7R
CSR_L
OER_L
WER_L
NC
R649 100/J6
R697 0/J6
IC508 MC74HC00AF-R
IC506 MC74HC138AFR
_Y0
_Y1
_Y2
_Y3
_Y4
_Y5
_Y6
_Y7
G1
_G2A
_G2B
6.144MHZ
LIR_L
IOE_L
IF_RD_L
S_CLK
TXA0
P1394_TX
IORD_L
IOWR_L
SYS_IF_INT_L
IF_INT_L
BUSY_L
A_BUS(0:10)
DB_BUS(0:7)
DATA_BUS(0:7)
SIO_CS_L
PORTA_CS_L
PORTB_CS_L
A0
A1
A2
A3
C508 0.01/UBN
C509 0.01/UBN
C510 0.01/UBN
C511 0.01/UBN
C512 0.01/UBN
IC501 MC74HC541AFR
IC502 MC74HC541AFR
IC508 MC74HC00AF-R
IC507 74F32SJ-R1
IC506 MC74HC138AFR
Ref No.500 Series.
COMPONENT NAME
SYSCON (I/F)
06/13
CIRCUIT BOARD NO.
MODEL NO.
NTSC:VEP86267A
PAL:VEP86267B
SCM025

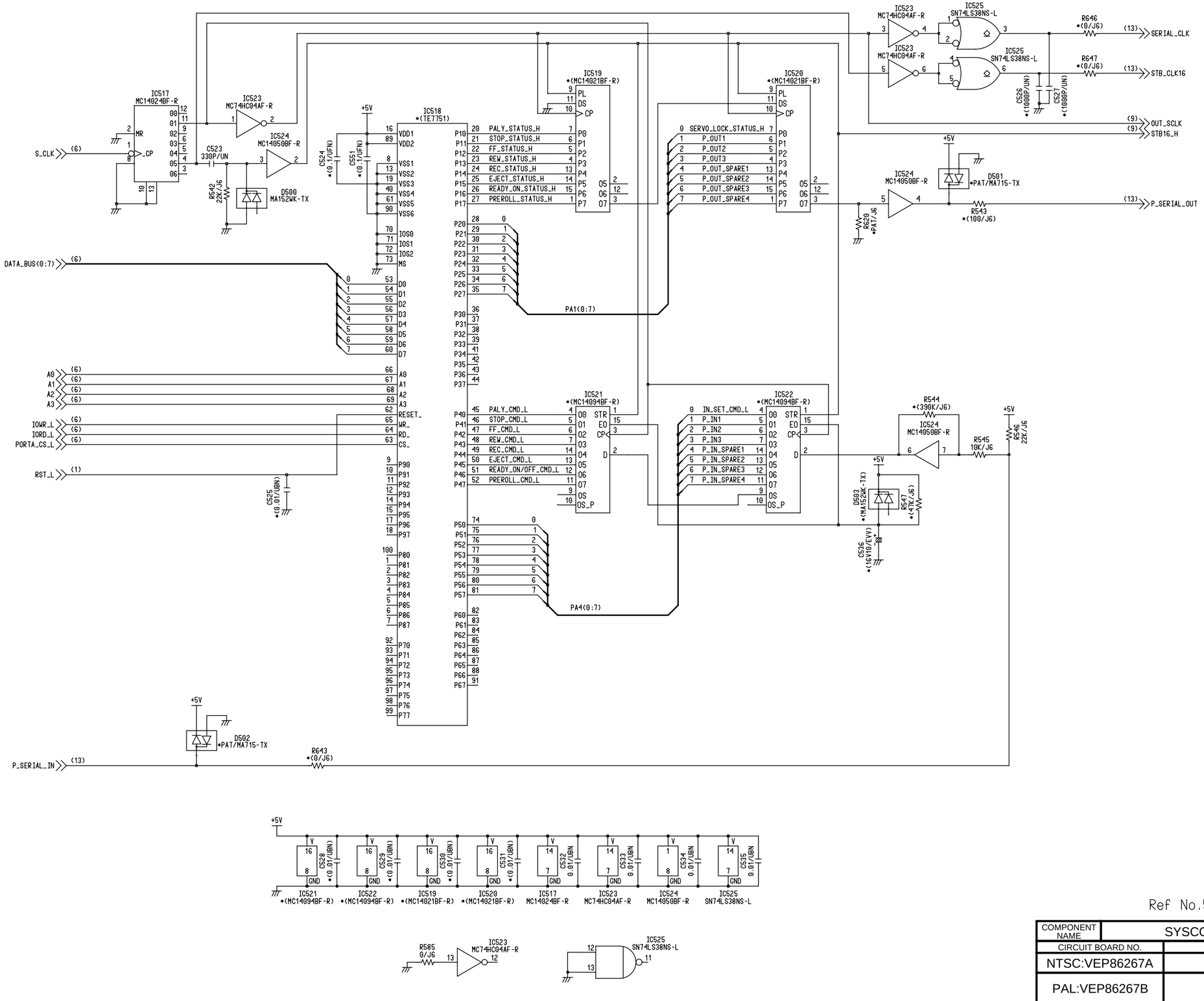


	CROSS	STRAIGHT
R635	•PAT	0/J6
R636	0/J6	•PAT

	CROSS	STRAIGHT
R637	•PAT	0/J6
R638	0/J6	•PAT

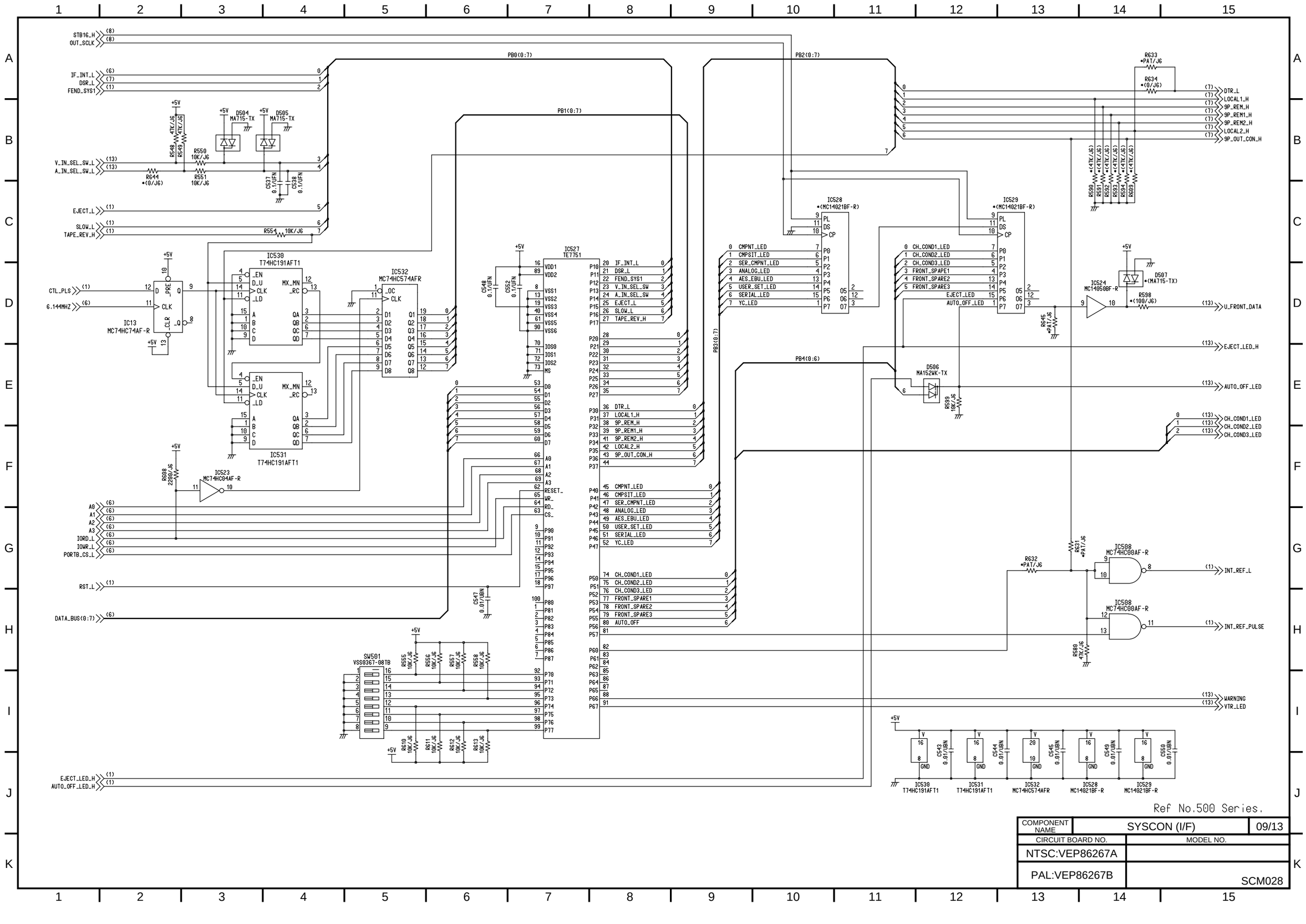
	CROSS	STRAIGHT
R639	0/J6	•PAT
R640	•PAT	0/J6

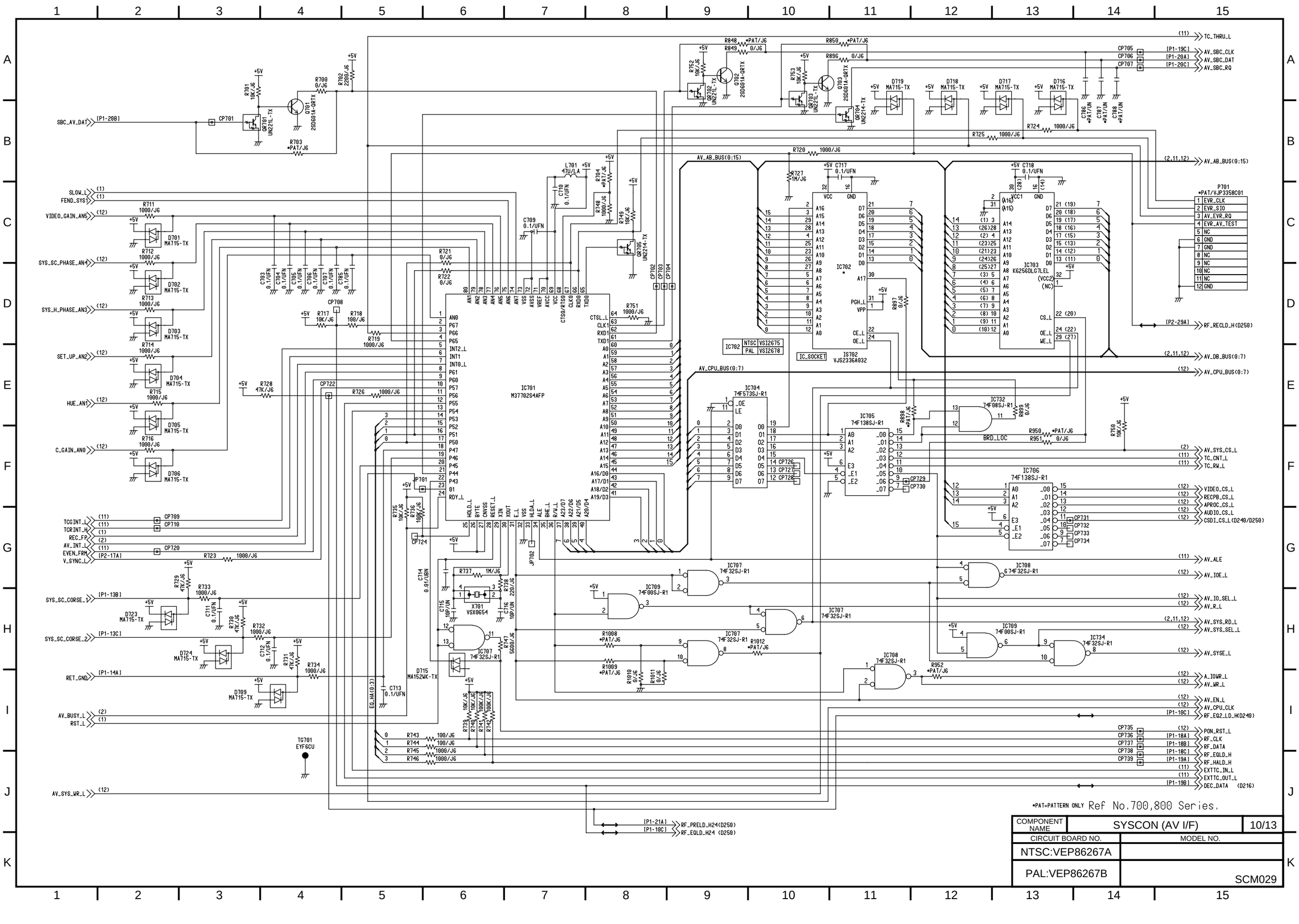
COMPONENT NAME	SYSCON (I/F)	07/13
CIRCUIT BOARD NO.	MODEL NO.	
NTSC:VEP86267A		
PAL:VEP86267B	SCM026	

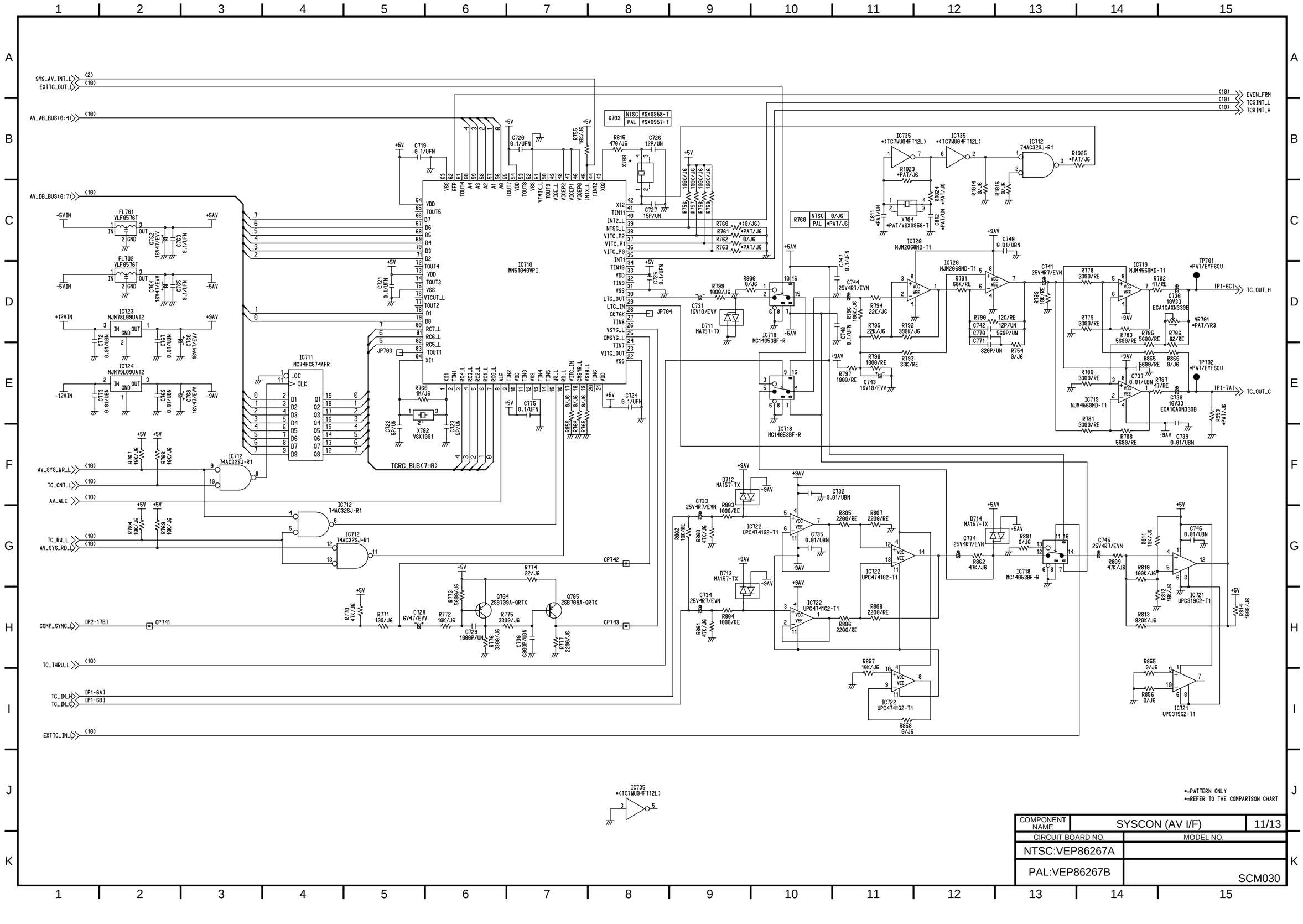


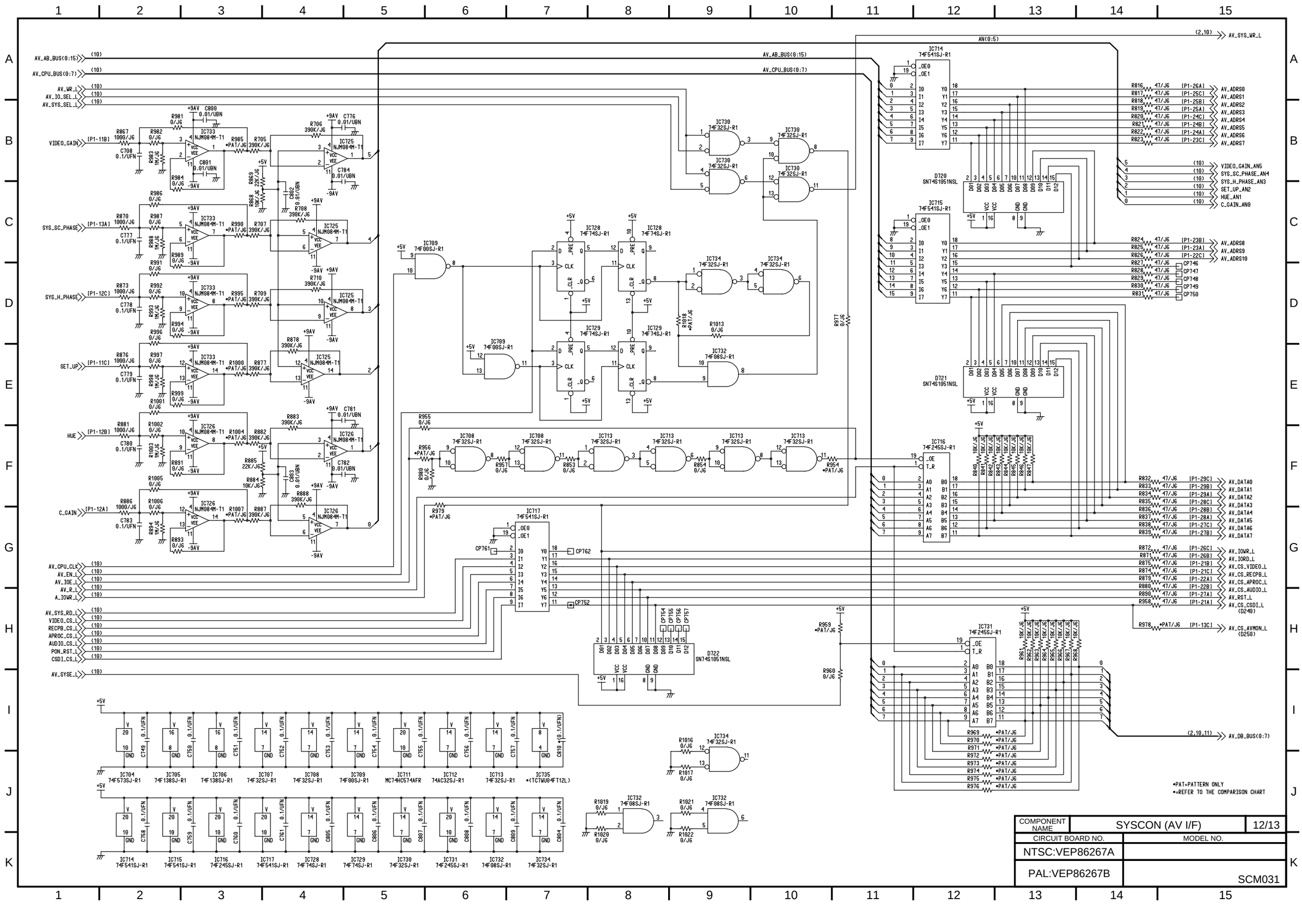
Ref No.500 Series.

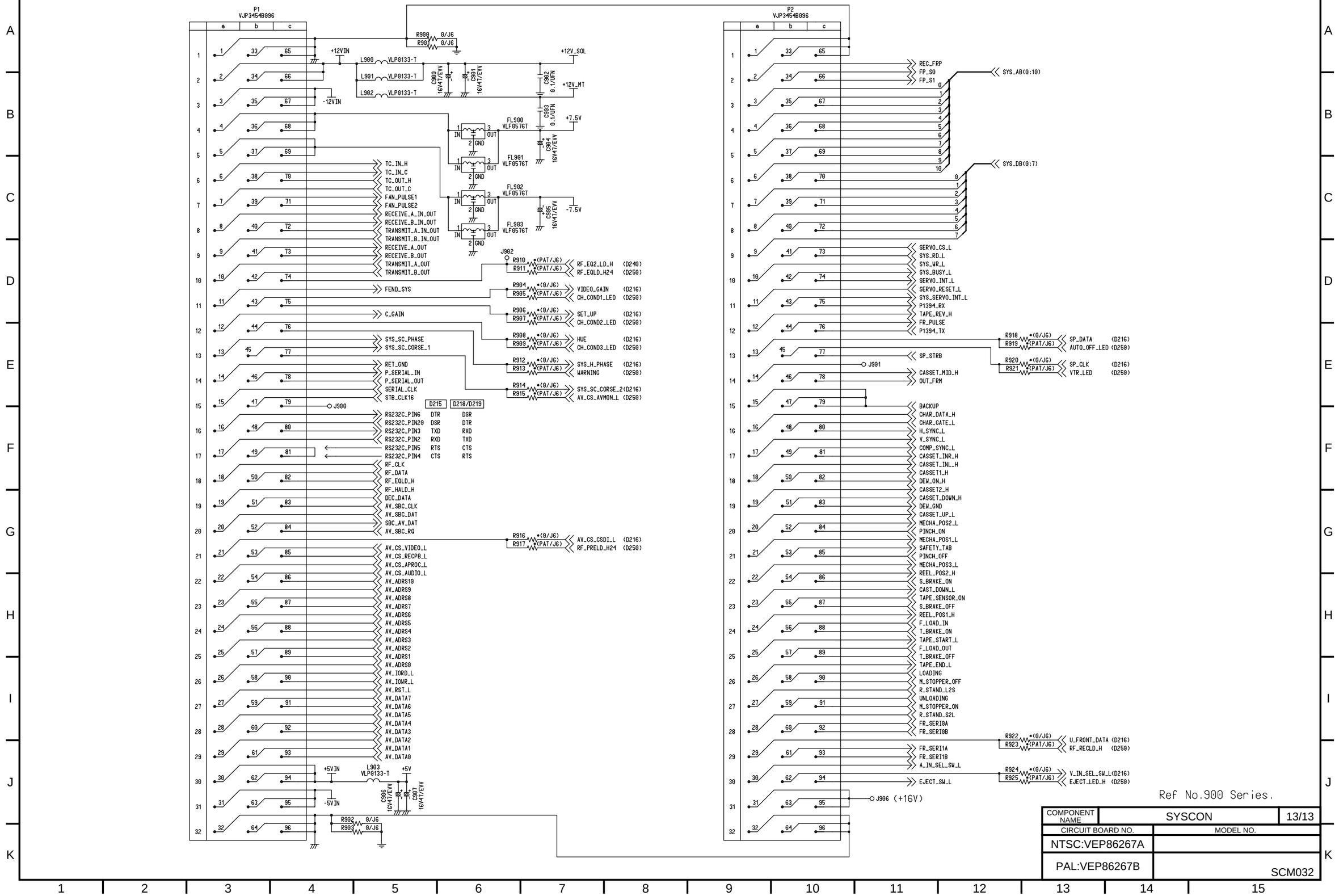
COMPONENT NAME	SYSCON (I/F)	08/13
CIRCUIT BOARD NO.	MODEL NO.	
NTSC:VEP86267A		
PAL:VEP86267B	SCM027	


STB16_H
OUT_SCLK
IF_INT_L
DSR_L
FEND_SYS1
V_IN_SEL_SW_L
A_IN_SEL_SW_L
EJECT_L
SLOW_L
TAPE_REV_H
CTL_PLS
6.144MHZ
IC13
MC74HC74AF-R
IC530
T74HC191AFT1
IC531
T74HC191AFT1
IC532
MC74HC574AFR
IC527
TE7751
IC523
MC74HC04AF-R
SW501
VSS9367-08TB
PB0(0:7)
PB1(0:7)
PB2(0:7)
PB3(0:7)
PB4(0:6)
D504
MA715-TX
D505
MA715-TX
D506
MA152WK-TX
D507
*(MA715-TX)
IC528
*(MC14021BF-R)
IC529
*(MC14021BF-R)
IC524
MC14050BF-R
IC508
MC74HC00AF-R
IC508
MC74HC00AF-R
R633
*PAT/J6
R634
*(0/J6)
R598
*(100/J6)
R644
*(0/J6)
R550
10K/J6
R551
10K/J6
R554
10K/J6
R632
*PAT/J6
R631
*PAT/J6
R588
*PAT/J6
R599
10K/J6
R608
220/J6
DTR_L
LOCAL1_H
9P_REM_H
9P_REM1_H
9P_REM2_H
LOCAL2_H
9P_OUT_CON_H
U_FRONT_DATA
EJECT_LED_H
AUTO_OFF_LED
CH_COND1_LED
CH_COND2_LED
CH_COND3_LED
INT_REF_L
INT_REF_PULSE
WARNING
VTR_LED
EJECT_LED_H
AUTO_OFF_LED_H
RST_L
DATA_BUS(0:7)
IORD_L
IOWR_L
PORTB_CS_L
RESET_
WR_
RD_
CS_
CMPNT_LED
CMPSIT_LED
SER_CMPNT_LED
ANALOG_LED
AES_EBU_LED
USER_SET_LED
SERIAL_LED
YC_LED
FRONT_SPARE1
FRONT_SPARE2
FRONT_SPARE3
AUTO_OFF
Ref No.500 Series.
COMPONENT NAME
SYSCON (I/F)
09/13
CIRCUIT BOARD NO.
MODEL NO.
NTSC:VEP86267A
PAL:VEP86267B
SCM028


IC701 M37702S4AFP
IC702 VJS2336A032
IC703 K6256DLG7LEL
IC704 74F573SJ-R1
IC705 74F138SJ-R1
IC706 74F138SJ-R1
IC707 74F32SJ-R1
IC708 74F32SJ-R1
IC709 74F00SJ-R1
IC732 74F08SJ-R1
IC734 74F32SJ-R1
P701 *PAT/VJP3358C01
TG701 EYF6CU
X701 VSX9654
AV_AB_BUS(0:15)
AV_CPU_BUS(0:7)
EQ_HA(0:3)
*PAT=PATTERN ONLY Ref No.700,800 Series.
COMPONENT NAME: SYSCON (AV I/F) 10/13
CIRCUIT BOARD NO.: NTSC:VEP86267A PAL:VEP86267B
MODEL NO.: SCM029


SYS_AV_INT_L
EXTTC_OUT_L
AV_AB_BUS(0:4)
AV_DB_BUS(0:7)
EVEN_FRM
TCGINT_L
TCRINT_H
IC710
MN51649VPI
TCRC_BUS(7:0)
IC711
MC74HC574AFR
IC712
74AC32SJ-R1
IC718
MC14053BF-R
IC719
NJM4560MD-T1
IC720
NJM2068MD-T1
IC721
UPC319G2-T1
IC722
UPC4741G2-T1
IC723
NJM78L09UAT2
IC724
NJM79L09UAT2
IC735
*(TC7WU04FT12L)
X703
NTSC VSX0958-T
PAL VSX0957-T
X704
*PAT/VSX0958-T
X702
VSX1001
R760
NTSC 0/J6
PAL *PAT/J6
JP703
JP704
TP701
*PAT/EYF6CU
TP702
*PAT/EYF6CU
VR701
*PAT/VR3
TC_OUT_H
TC_OUT_C
[P1-6C]
[P1-7A]
AV_SYS_WR_L
TC_CNT_L
AV_ALE
TC_RW_L
AV_SYS_RD_L
COMP_SYNC_
[P2-17B]
CP741
CP742
CP743
TC_THRU_L
TC_IN_H
TC_IN_C
[P1-6A]
[P1-6B]
EXTTC_IN_L
*=PATTERN ONLY
*=REFER TO THE COMPARISON CHART
COMPONENT NAME
SYSCON (AV I/F)
11/13
CIRCUIT BOARD NO.
MODEL NO.
NTSC:VEP86267A
PAL:VEP86267B
SCM030


AV_AB_BUS(0:15)
AV_CPU_BUS(0:7)
AV_WR_L
AV_IO_SEL_L
AV_SYS_SEL_L
VIDEO_GAIN
SYS_SC_PHASE
SYS_H_PHASE
SET_UP
HUE
C_GAIN
AV_CPU_CLK
AV_EN_L
AV_IOE_L
AV_R_L
A_IOWR_L
AV_SYS_RD_L
VIDEO_CS_L
RECPB_CS_L
APROC_CS_L
AUDIO_CS_L
PON_RST_L
CSDI_CS_L
AV_SYSE_L
AN(0:5)
AV_SYS_WR_L
AV_ADRS0
AV_ADRS1
AV_ADRS2
AV_ADRS3
AV_ADRS4
AV_ADRS5
AV_ADRS6
AV_ADRS7
AV_ADRS8
AV_ADRS9
AV_ADRS10
VIDEO_GAIN_AN5
SYS_SC_PHASE_AN4
SYS_H_PHASE_AN3
SET_UP_AN2
HUE_AN1
C_GAIN_AN0
AV_DATA0
AV_DATA1
AV_DATA2
AV_DATA3
AV_DATA4
AV_DATA5
AV_DATA6
AV_DATA7
AV_IOWR_L
AV_IORD_L
AV_CS_VIDEO_L
AV_CS_RECPB_L
AV_CS_APROC_L
AV_CS_AUDIO_L
AV_RST_L
AV_CS_CSDI_L (D24G)
AV_CS_AVMON_L (D25G)
AV_DB_BUS(0:7)
*PAT=PATTERN ONLY
*=REFER TO THE COMPARISON CHART
COMPONENT NAME
SYSCON (AV I/F)
12/13
CIRCUIT BOARD NO.
MODEL NO.
NTSC:VEP86267A
PAL:VEP86267B
SCM031


P1
VJP3454B096
P2
VJP3454B096
R900 0/J6
R901 0/J6
+12VIN
-12VIN
L900 VLP0133-T
L901 VLP0133-T
L902 VLP0133-T
C900 16V47/EVV
C901 16V47/EVV
+12V_SOL
+12V_MT
C902 0.1/UFN
C903 0.1/UFN
C904 16V47/EVV
C905 16V47/EVV
FL900 VLF0576T
FL901 VLF0576T
FL902 VLF0576T
FL903 VLF0576T
+7.5V
-7.5V
IN
OUT
GND
TC_IN_H
TC_IN_C
TC_OUT_H
TC_OUT_C
FAN_PULSE1
FAN_PULSE2
RECEIVE_A_IN_OUT
RECEIVE_B_IN_OUT
TRANSMIT_A_IN_OUT
TRANSMIT_B_IN_OUT
RECEIVE_A_OUT
RECEIVE_B_OUT
TRANSMIT_A_OUT
TRANSMIT_B_OUT
FEND_SYS
C_GAIN
SYS_SC_PHASE
SYS_SC_CORSE_1
RET_GND
P_SERIAL_IN
P_SERIAL_OUT
SERIAL_CLK
STB_CLK16
J900
RS232C_PIN6 DTR DSR
RS232C_PIN20 DSR DTR
RS232C_PIN3 TXD RXD
RS232C_PIN2 RXD TXD
RS232C_PIN5 RTS CTS
RS232C_PIN4 CTS RTS
D215
D218/D219
RF_CLK
RF_DATA
RF_EQLD_H
RF_HALD_H
DEC_DATA
AV_SBC_CLK
AV_SBC_DAT
SBC_AV_DAT
AV_SBC_RQ
AV_CS_VIDEO_L
AV_CS_RECPB_L
AV_CS_APROC_L
AV_CS_AUDIO_L
AV_ADRS10
AV_ADRS9
AV_ADRS8
AV_ADRS7
AV_ADRS6
AV_ADRS5
AV_ADRS4
AV_ADRS3
AV_ADRS2
AV_ADRS1
AV_ADRS0
AV_IORD_L
AV_IOWR_L
AV_RST_L
AV_DATA7
AV_DATA6
AV_DATA5
AV_DATA4
AV_DATA3
AV_DATA2
AV_DATA1
AV_DATA0
J902
R910 *(PAT/J6)
R911 *(PAT/J6)
RF_EQ2_LD_H (D240)
RF_EQLD_H24 (D250)
R904 *(0/J6)
R905 *(PAT/J6)
VIDEO_GAIN (D216)
CH_COND1_LED (D250)
R906 *(0/J6)
R907 *(PAT/J6)
SET_UP (D216)
CH_COND2_LED (D250)
R908 *(0/J6)
R909 *(PAT/J6)
HUE (D216)
CH_COND3_LED (D250)
R912 *(0/J6)
R913 *(PAT/J6)
SYS_H_PHASE (D216)
WARNING (D250)
R914 *(0/J6)
R915 *(PAT/J6)
SYS_SC_CORSE_2 (D216)
AV_CS_AVMON_L (D250)
R916 *(0/J6)
R917 *(PAT/J6)
AV_CS_CSDI_L (D216)
RF_PRELD_H24 (D250)
+5VIN
-5VIN
L903 VLP0133-T
+5V
C906 16V47/EVV
C907 16V47/EVV
R902 0/J6
R903 0/J6
REC_FRP
FP_S0
FP_S1
SYS_AB(0:10)
SYS_DB(0:7)
SERVO_CS_L
SYS_RD_L
SYS_WR_L
SYS_BUSY_L
SERVO_INT_L
SERVO_RESET_L
SYS_SERVO_INT_L
P1394_RX
TAPE_REV_H
FR_PULSE
P1394_TX
R918 *(0/J6)
R919 *(PAT/J6)
SP_DATA (D216)
AUTO_OFF_LED (D250)
R920 *(0/J6)
R921 *(PAT/J6)
SP_CLK (D216)
VTR_LED (D250)
SP_STRB
J901
CASSET_MID_H
OUT_FRM
BACKUP
CHAR_DATA_H
CHAR_GATE_L
H_SYNC_L
V_SYNC_L
COMP_SYNC_L
CASSET_INR_H
CASSET_INL_H
CASSET1_H
DEW_ON_H
CASSET2_H
CASSET_DOWN_H
DEW_GND
CASSET_UP_L
MECHA_POS2_L
PINCH_ON
MECHA_POS1_L
SAFETY_TAB
PINCH_OFF
MECHA_POS3_L
REEL_POS2_H
S_BRAKE_ON
CAST_DOWN_L
TAPE_SENSOR_ON
S_BRAKE_OFF
REEL_POS1_H
F_LOAD_IN
T_BRAKE_ON
TAPE_START_L
F_LOAD_OUT
T_BRAKE_OFF
TAPE_END_L
LOADING
M_STOPPER_OFF
R_STAND_L2S
UNLOADING
M_STOPPER_ON
R_STAND_S2L
FR_SERI0A
FR_SERI0B
R922 *(0/J6)
R923 *(PAT/J6)
U_FRONT_DATA (D216)
RF_RECLD_H (D250)
FR_SERI1A
FR_SERI1B
A_IN_SEL_SW_L
R924 *(0/J6)
R925 *(PAT/J6)
V_IN_SEL_SW_L(D216)
EJECT_LED_H (D250)
EJECT_SW_L
J906 (+16V)
Ref No.900 Series.
COMPONENT NAME
SYSCON
13/13
CIRCUIT BOARD NO.
MODEL NO.
NTSC:VEP86267A
PAL:VEP86267B
SCM032